



# FULL ELECTRONIC FLASH MEMORY TYPE EXTERNAL STORAGE METHOD AND DEVICE

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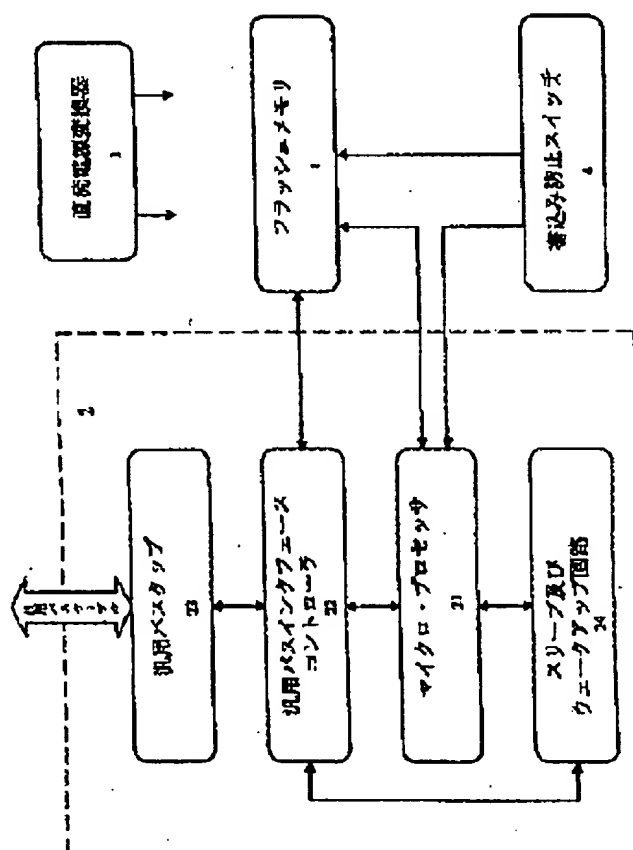
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## Abstract of JP2001216099

**PROBLEM TO BE SOLVED:** To provide a full electronic flash memory type external storage method and device which can be driven by software, can perform the active plug-in/out operations and can be applied to a small data processing system and have high efficiency, small volume containing all elements built into a single product, large capacity and a static operation and also high speed.

**SOLUTION:** This method a device are provided with a means which includes firmware to directly control the access of an electronic storage medium and to attain an interface standard function, applies a special format for reading/writing operations of an external storage, supplies power via a USB interface bus and can write data into the external storage in cooperation with the firmware and its driver and an operating system and with use of a flash memory 1 and a storage control circuit 2 and a means which prevents the writing operations to secure the safety of data.



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